

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 6.1.3
Date: 09/28/2017 10:39 AM
Cytometer Baseline: 07/17/2017 11:48 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads, **Part #:** 910723
Lot ID: 25720, **Expiration Date:** 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123988	-1	1.59	123806	1.59
Blue	F	SSC	125000	124026	-1	3.00	124314	2.89
Blue	E	FITC	23795	22852	-4	2.64	1019	10.70
Blue	D	PE	29673	29163	-2	2.20	1049	10.02
Blue	B	PerCP-Cy5-5	48943	47859	-3	3.57	1371	16.90
Blue	A	PE-Cy7	44112	43730	-1	5.32	673	36.31
Red	C	APC	54273	53182	-3	2.88	3065	9.81
Red	A	APC-Cy7	54945	54101	-2	2.89	1116	11.64
Violet	B	V450	15756	14822	-6	4.66	712	9.37
Violet	A	V500	62569	60946	-3	4.43	2703	6.79

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19563	2.91	610	-4	N/A	N/A	Pass
Blue	F	SSC	61483	1.65	547	1	N/A	N/A	Pass
Blue	E	FITC	115	38.75	548	-2	0.0188	98	Pass
Blue	D	PE	229	29.65	546	0	0.1547	249	Pass
Blue	B	PerCP-Cy5-5	215	46.11	635	-4	0.0103	152	Pass
Blue	A	PE-Cy7	73	121.79	692	-7	0.0114	15	Pass
Red	C	APC	358	28.13	603	3	0.0186	26	Pass
Red	A	APC-Cy7	123	41.57	581	-3	0.0051	1440	Pass
Violet	B	V450	87	40.30	474	2	0.0427	1492	Pass
Violet	A	V500	198	22.81	503	4	0.0147	491	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.98 - 71.98	N/A	N/A	-32.25	-31.64	0.85
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.31
Red	17.47	13.27 - 19.91	N/A	N/A	31.52	32.16	1.15

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 14203

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.70

Comments